TSC Meeting

Jun 17, 2020

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Meeting Logistics

Time: Wednesdays 8am PDT – 9am PDT

Join from PC, Mac, Linux, iOS or Android: https://zoom.us/j/983155298

Or iPhone one-tap (US Toll): +14086380968,983155298# or +16465588656,983155298#

Or Telephone:

Dial: +1 408 638 0968 (US Toll) or +1 646 558 8656 (US Toll)

+1 855 880 1246 (US Toll Free)

+1 877 369 0926 (US Toll Free)

Meeting ID: 983 155 298

International numbers available: https://zoom.us/zoomconference?m=mkFexUxEcqHlvXHw53PqScTDRvS48PiQ

** TSC calls are recorded and added to Wiki post-call

TSC – Members Present Today

Company	Name	Email
Intel	Camilo Dennis	camilo.a.dennis@intel.com
IOTech	Iain Anderson	iain@iotechsys.com
Intel	James Gregg	james.r.gregg@intel.com
IBM	Joe Pearson	joe.pearson@us.ibm.com
IOTech	Keith Steele (TSC Chair)	keith@iotechsys.com
VMware	Malini Bhandaru	mbhandaru@vmware.com
Intel	Mike Johanson	michael.johanson@intel.com
IOTech	Robin Chattergee	robin@iotechsys.com
Beechwoods	Rodney Hess	rodney@beechwoods.com
RSA	Tingyu Zeng	tingyu.zeng@rsa.com
Canonical	Tony Espy	espy@canonical.com
Dell	Trevor Conn	Trevor.Conn@dell.com
Dell	Michael Estrin	m.estrin@dell.com

Current quorum = 7 members

Note: Quorum for TSC meetings requires at least fifty percent of all voting members of the TSC to be present. The TSC may continue to meet if quorum is not met, but will be prevented from making any decisions at the meeting. Except as provided in Section 7.c. and 8.a, decisions by vote at a meeting require a majority vote of those in attendance, provided quorum is met. Decisions made by electronic vote without a meeting require a majority vote of all voting members of the TSC.

Today's Agenda

- Dot release wrap up
- TSC Chairs and upcoming election
- WG Updates
- PM Role
- Accenture briefing
- LF Edge TAC representation
- Upcoming Events (Dev Advocate)

Geneva Release & Release Czar readout

Geneva Dot 1.2.1 Release

- Release notes at Wiki
- Containers/Snaps have been created
  - Look for 1.2.1 artifacts
- Docker Compose files updated
- Freeze lifted - continue to work on Hanoi items on master

1.2.1 Release contents

- Fix in device-sdk-go to address issue #532 (critical CPU consumption issue based on inappropriate interval.
  - This will also require all Go based device services to be released with the fix as well.
- Small one line bug fixes to device-mqtt-go and device-modbus-go to address env override for profile dir(issues #149 and #152 respectively)
- Changes in edgex-ui-go to address gateway / security issues (addressing short term fixes for some of #222, #223, #225 and #226 in edgex-ui-go)
  - This fix included pulling the 'gateway' features from the UI as it is meant for developers and demos
- Changes to scheduler service (as part of edgex-go) to eliminate bug on removal of interval (#2554 and associated to issue #2520 and PR #2552)
- Changes to support-rulesengine for remote logging URL (#74)
- Changes to go-mod-bootstrap to address issue #76 – empty vars being ignored especially as it relates to web server host name & Consul callback issue
  - This will also require artifact creation for all core/supporting services, device services, and app services that consume go-mod-bootstrap
- Fix some issues in EdgeX snaps(see #2581)
- There is a change to the app functions SDK (and therefore associated configurable app service) inclusive of issue #376
- Issues #2580 and #2526 are temporarily fixed in some environments with an increase in the Service_Timeout environment variable override in the Docker Compose files.
  - Users are advised to Service_Timeout to 20000 or greater, or to set EnableValueDescriptorManagment=false disabling the value descriptor check.
- C SDK, DS: 1.2.1
- Go SDK, DS: 1.2.2
- App Functions SDK: 1.2.0

EdgeX TSC

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Congratulations to our new WG Chairs

- DevOps: Ernesto Ojeda (Intel)
- Application/Analytics: Mike Johanson (Intel)
- Outreach: Keith Steele (IOTech)
- TestingQA: James Butcher (IOTech)
- Device Services: Iain Anderson (IOTech)
- Security: Colin Hutchinson (Kong)
- Core: Jim White (IOTech)
- Volunteer positions (non-TSC voting)
  - Release Czar: Lisa Ranjibar
  - PM: Lenny Goodell
  - User Advocate: Jonas Werner (Dell) has volunteered for role in APJ (focus Japan)
  - Still looking for other User Advocates

TSC At-large seats (2) election

Your Candidates

Tony Espy   Lenny Goodell   Sean McGinnis

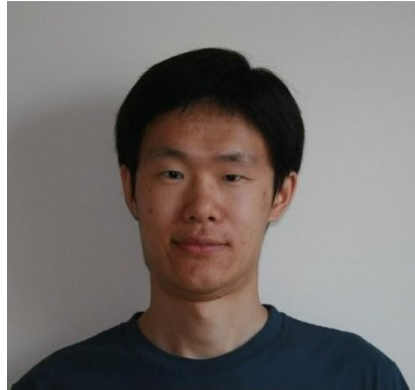

Canonical   Intel   Dell

Vote will go out this week. Voting will conclude June 21st

Next week, TSC will elect TSC chair

Our thanks to these great leaders and contributors

Malini

Tingyu

Trevor

James

Michael

Andy

Rodney

Camillo

Henry

Joe

EdgeX is infinitely better for your service and contributions

Special thanks to Keith

3 years as TSC Chair - has provided us a great foundation and a bright future

Work Group Updates

Chairs

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Working Group Chair Updates

- Around the horn
  - Core/Supporting - Trevor Conn
  - Applications - Mike Johanson
  - Device Services - Iain Anderson
  - Test/QA - Andy Foster
  - DevOps - James Gregg
  - Security - Malini Bhandaru and Tingyu Zeng
  - System Management - Michael Estrin
    - Open Horizon - Joe Pearson
  - Certification - Rodney Hess
  - Vertical Solutions - Camilo Dennis and Henry Lau
  - Updates from Release Czar - Lisa
  - Updates from Dev Advocate - Aaron

The last from current TSC
Future TSC will have the task next week

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Core Working Group (17-Jun-2020)

- No active items.
- Connected with Jim White to discuss anything prior to hand-off.
- Core WG call @ 10AM US/Central tomorrow
  - Please send any agenda items and I will facilitate. If no agenda, I will cancel.

Applications WG Update (10-Jun-2020)

Complete:
    Changelog updated for SDK.
    Updated/Added PR templates

WIP:
- Updating examples to default to redis instead of mongo

- App Working Group Meeting held on Fridays @ 9AM PDT
  - Next meeting June 12th, 2020

Application Services

Functions (built into SDK)
Current/Complete:

- AES Encryption
- GZIP Compression
- ZLIB Compression
- MarkAsPushed
- PushToCore
- Device Name Filter
- Value Descriptor Filter
- **NEW!** Batch
- **NEW!** JSONLogic Filtering
- XML Conversion
- JSON Conversion
- MQTT(S) Export
- HTTP(S) POST Export

Features

- Store and Forward
- Web Server
- Configurable App Service
- **NEW!** Vault Integration for Secrets
- **NEW!** MQTT Event triggers (via go-mod-messaging)

Reference/Example App Services (Geneva)
(built on top of SDK)

- Azure IoT Hub — **AVAILABLE**
- Amazon IoT Core — **AVAILABLE**
- IBM Watson IoT
- Cloud Event Transformation — **NEW!**
- Secret Retrieval Example

Device Services WG Update (17-Jun-20)

- Go-based services released
- Grove (C) in testing
- BACnet (C) to follow
- Updating requirements documentation

Next WG meeting June 22nd

Device Services - current/coming (as of 5/7/20)

Open Source connectors (Current):

- Modbus (TCP/RTU) in Go
- Virtual Device in Go
- SNMP in Go
- MQTT in Go
- BACnet (IP & MSTP) in Go
- ONVIF Cameras in Go
- REST in Go (NEW!)

Open Source connectors (Future):
- Bluetooth in C (summer 2020)
- BACnet (IP & MSTP) in C (summer 2020)
- OPC-UA in C (summer 2020)
- Grove C (summer 2020)

Commercial connectors (Current):

- File Exporter in C
- BLE in C
- Zigbee in C
- GPS in C
- CAN in C
- MEMS in C
- EtherCat in C
- Profinet in C

There are additional commercial MQTT (Go), Modbus (Go), OPC-UA (in C) and BACnet (in C) that have added features over the community editions

Commercial connectors (Future):

- EtherNet/IP in C (summer 2020)
- CanOpen in C (summer 2020)
- OPC-UA Pub/Sub in C (summer 2020)
- ONVIF in C (summer 2020)

Test/QA WG Update (06-17-2020)

- Postman blackbox test
  - Working issues
    - Issue #452, Update to use new multi-file compose file (approved)
- TAF blackbox test
  - Working issues
    - Issue #122, to update to use new multi-file compose file.
    - Docker daemon permission denied on x86_64 VM, opened Jenkins ticket to LF IT-19912 - it is caused by SE Linux upgrade or Docker engine upgrade
- New Business
  - Verified both postman and TAF blackbox test against v1.2.1 on x86 and ARM
  - Discussion of dropping backward compatibility in security mode

Postman Blackbox Test Cases

OS		DB	Total TCs No.	Failed TCs No. of Past Week	Failed TCs No. of This Week	Fixed TCs No.
x86_64 / CentOS	Non Security	Mongo	1312	0	0	0
		Redis	1312	0	0	0
x86_64 / CentOS	Security	Mongo	1342	0	0	0
		Redis	1342	0	0	0
arm64 / Ubuntu	Non Security	Mongo	1312	0	0	0
		Redis	1312	0	0	0
arm64 / Ubuntu	Security	Mongo	1342	0	0	0
		Redis	1342	0	0	0

TAF Functional Blackbox Test Cases

OS		DB	Total TCs No.	Failed TCs No. of Past Week	Failed TCs No. of This Week	Fixed TCs No.
x86_64 / CentOS	Non Security	Redis	52	52	52	0
x86_64 / CentOS	Security	Redis	52	52	52	0
arm64 / Ubuntu	Non Security	Redis	52	0	0	0
arm64 / Ubuntu	Security	Redis	52	0	0	0

TAF Integration Test Cases

Integration tests

OS		DB	Total TCs No.	Failed TCs No. of Past Week	Failed TCs No. of This Week	Fixed TCs No.
x86_64 / CentOS	Non Security	Redis	6	6	6	0
x86_64 / CentOS	Security	Redis	6	6	6	0
arm64 / Ubuntu	Non Security	Redis	6	0	0	0
arm64 / Ubuntu	Security	Redis	6	0	0	0

Compatibility tests

OS		DB	Total TCs No.	Failed TCs No. of Past Week	Failed TCs No. of This Week	Fixed TCs No.
x86_64 / CentOS	Non Security	Redis	12	12	12	0
x86_64 / CentOS	Security	Redis	12	12	12	0
arm64 / Ubuntu	Non Security	Redis	12	0	0	0
arm64 / Ubuntu	Security	Redis	12	0	0	0

DevOps WG Update (06-17-2020)

Hanoi

- **Performance Optimizations**
  - Build Optimizations for edgex-go
    - Image promotion - <mark>On Hold</mark>
      - Issue identified with the image promotion process during the dot release
        - go binaries are versioned inside image: `GOFLAGS=-ldflags "-X github.com/edgexfoundry/edgex-go.Version= $(VERSION)"`
- **DevSecOps**
  - Continued explore of options for addressing Issue #1947 - vetting of OSS dependencies
    - FOSSA evaluation completed and published findings
    - Meeting with FOSSA team to discuss options for possible pro-bono arrangement for business offering for EdgeX Foundry
    - Continue to discuss simplification of requirements with Tony Espy
  - Community Bridge Feature Requests
    - Transitive dependencies for Go modules - findings don't match other tools like Sonatype - No Update *"crickets"*
- **Other**
  - `githubsync` - GitHub Automation to create labels used across all EdgeX Foundry repos
    - We added a new label for "dependencies" = *Pull requests that update a dependency file*
  - Issue #1947
    - Updated Pull Request template on half of the repos *(as per decision in Architect's meeting 06/15/2020)*
      - Noted: muliple project repos missing the standard template
  - **Code Signing - lftools /sigul replacement**
  - LFTools / Sigul latest version that supports Python 3.x
        - LF is now considering an alternative signing tool - clarified that this is a future roadmap item - uncommitted
        - LF encountered some of the challenges within their fork trying to refactor sigul to support the latest Python 3.x - <mark>WIP</mark>

Next DevOps WG Meeting 06/17/2020 @9:00AM PST

System Management WG Update (June 17, 2020)

- No future meetings; this working group merging into Core

Security WG Update (06-17-2020)

- Hanoi release working items in progress/review
- SIR team update - No major issues found
- Security WG meeting
  - Remote service demo by Jim Wang of Intel

Certification WG Update (6-15-20)

- Determining documentation requirements for the cloud templates
- Discussion on marketing needs for the Endorsement program

- Next meeting is Monday, June 29th, 9 a.m. PDT

Vertical Solutions WG Update (June 17, 2020)

- Next meeting: 6/30, Tues, 10:00am CDT
  - Accenture AIP+ adoption of EdgeX

- Recent meetings: Use cases, and opportunities for EdgeX community
  - 5/12 Conexxus: Convenience stores technology standards and use cases
  - 5/26 Appcard: Customer Engagement solutions ISV, use cases for grocery stores and QSRs
  - 6/9 RF Rain: RFID ODM, use cases across various verticals
- Last 2 meetings with 30+ attendees

Marketing update (6/10/20)

- Continue to drive Website project with El Roboto (3rd party)
  - Folder with key documents milestones and information at the Marketing WG wiki https://wiki.edgexfoundry.org/display/FA/Marketing+WG
- Geneva landing page created (Thank you Andy!)
- Topcoder Challenge
  - Working to secure SME(s) for second topcoder challenge
- Pulse with meeting participants. Start, Stop, Continue for Marketing meeting.

Miscellaneous (Jim)

- PM Role responsibilities: requires TSC approval
- Outreach committee still meeting but getting closer to charter/roles/etc.
- Accenture presenting on their use of EdgeX Foundry
  - June 30th - 10am CDT (special meeting of vertical solutions/TSC) Look for new calendar invite!! Please feel free to pass to others
  - Working on getting Thundersoft to present next.
- Extra Arch's meeting added for June 30th (Tuesday).
  - Monday is OSS online event.
  - Does this time work or should I reschedule?

PM Responsibilities (TSC vote needed)

- Executor of the overall release per the direction laid out by the TSC.
- Knowledge of the overall architecture
- Has basic knowledge of how software is implemented
- Participates in release planning F2F, helping to refine future scope and identifying interlocks early
- Helps define the roadmap - especially providing visibility to cross cutting concerns
- Works with each working group chairs to coordinate and track the current release items and give visibility to sequence of major deliverables
- Has knowledge of EdgeX Kanban board
- Suggest PM conduct a Kanban review with each WG lead
- PM should attend the various working group meetings
- PM should report out to the TSC on an as-needed basis
- Engaged in real-world use cases or product/support
- A non-voting member of the TSC.
- PM should not be the TSC chair or WG chair.

PM Responsibilities - review in 6 months

- separation of role from TSC member

- whether and to what extent, the PM is a contributor, PR submitter/reviewer and ADR creator.

- role in creating and documenting the roadmap review/agenda for F2F and longer term planning, publishing outcomes of the F2F meetings, and generally communicating EdgeX roadmap

Upcoming External Events

› **"On the Edge with LF Edge" Webinars**
  › Project EVE Webinar (May 29 at 9 am PDT):
    › Register for the webinar!
      https://zoom.us/webinar/register/8815888722994/WN_35oZJ3hrQE69snMaiJUTPg
› Open Source Summit North America: 29 June - 2 July, 2020 - Virtual
  › 90 minute session(s) - July 2 at 12-1:30pm CST
› IIOT World: 30 June - 1 July, 2020 - Virtual
  › Arpit Joshipura: "Uniting the Edge for Tomorrow's Demands."
  › Jim White: "Using Open Source Technology to Manage IoT/Edge Solutions."
› Open Source Summit Japan: 15-16 September, 2020 - Tokyo, Japan
  › CFP Open: https://events.linuxfoundation.org/open-source-summit-japan/program/cfp/

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Upcoming External Events

› Open Networking & Edge Summit North America: 28-29 September, 2020 - Los Angeles, CA
   › ONES Unconference Track- **Virtual**
› Open Source Summit Europe: 26-28 October, 2020 - Dublin, Ireland-
   › CFP Open: https://events.linuxfoundation.org/open-source-summit-europe/program/cfp/
› IoT Solutions World Congress: **MOVED** 11-13 May, 2021 - Barcelona, Spain
   › Call for Testbeds Open: https://www.iotsworldcongress.com/activities/testbeds/
› Open Networking & Edge Summit Europe: TBD Q4, 2020 - Antwerp, Belgium- **Cancelled**
   › CFP Open: https://events.linuxfoundation.org/open-networking-edge-summit-europe/program/cfp/

› Discussions around upcoming events occur in the LF Edge Outreach Committee
› Members may subscribe at: https://lists.lfedge.org/g/outreach-committee

Upcoming Project Events

› none

› Projects can add their events to this list by sending the Wiki page listing the information to info@lfedge.org

Thank You

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